

POLAND / Microbiology. Microbes Pathogenic to Man and
Animals. General Problems.

F

Abs Jour : Ref. Zhur - Biol., No. 21, 1958, No. 95117.

Author : Brill, J.; Mikulaszek, E.; Truszcynski, M.

Inst : -
Title : Immunochemical Investigations into the Anti-
genic Structure of the Erysipeloid Bacterium.

Orig Pub : Bull. Acad. polon. sci., 1957, Cl. 2, 5, 405-411

Abstract : Autolysates were prepared from the bacteria of Erysipelothrix rhusiopathiae type A by means of repeated freezing and thawing; a polysaccharide-protein and polysaccharide fraction were obtained from autolysates after boiling the extract in a 1% acetic acid and by precipitation with alcohol in an acid medium. Nucleo-protein fractions were obtained from bacteria precipitates, which re-

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mained after the extraction of these fractions, by means of subsequent treatment with NaOH and alcohol. Finally, an additional polysaccharide fraction (APF) was obtained from the residues of the bacterial bodies by Pfluger's method. During chromatographic study of the first polysaccharide fraction (FPF), it was found that it included galactose, xylose, glucose and traces of hexuronic (possibly glucuronic) acid. APF contained only galactose. In the precipitation reaction with immune rabbit sera to the A- and B types of E. rhusiopathiae, it was shown that the FPF reacted only with the A serum, the protein polysaccharide and nucleo-protein fractions were less specific. The authors propose that two

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polyssacharide haptenes enter into the composition of E. rhusiopathiae: one (FFP) represents a specific type of serological reactions of microbe connected with the protein and also entering partly into the nucleo-protein fractions composition and the second (APF) which is freed from the cellular membranes under the influence of alkali.

Card 5/3

MIKULASZEK, Edmund

Application of new quantitative precipitation method to
immunochemical studies on *Shigella shigae*. Med. dosw.
mikrob. 9 no.1:75-88 1957.

1. Z Zakladu Mikrobiologii Lekarskiej A.M. w Warszawie i
Instytutu Dermatologii i Wenerologii w Warszawie.

(SHIGELLA
shigae, immunochem. analysis by new quantitative
precipitation method (Pol))

MIKULASZEK, Edmund

KWAPIENSKI, Jerzy; MIKULASZEK, Edmund

Immunology of pus (leukocytes). I. Recent studies; problem of serological relationship of antigens from pus and leukocytes. Postepy hig. med. dosw. 11 no.2:109-148 1957.

I. Zagadnienie serologicznego pokrewienstwa antygenow ropy i leukocytow. Zaklad Mikrobiologii Lekarskiej AM Warszawa, ul Chalubinskiego 5.

(ANTIGENS,
serol. relationship between antigens of pus & leukocytes,
review (Pol))

MIKULASZEK, EDMUND.

Chemia zjawisk odpornosciowych.

Warszawa, Poland. Państwowe Wydawn. Naukowe, 1958, 490p.

Monthly List of European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

MIKULASZEK, E.; POGONOWSKA, J.; SLOPEK, S.

Antigen structure of cacilli of the Alkalescens-Dispar group. Bul
Ac Pol biol 8 no.5:205-208 '60. (EEAI 9:11)

1. Department of Microbiology, School of Medicine, Warsaw and
L.Hirschfeld Institute of Immunology and Experimental Therapy, Wroclaw.
Presented by E.Mikulaszek.

(ANTIGENS AND ANTIBODIES)
(SHIGELLA ALKALESCENS-DISPAR GROUP)

POGONOWSKA, J.; SLOPEK, S.; MIKULASZEK, E.

On polysaccharide fractions from different types and variable forms
of *Shigella flexneri*. *Bul Ac Pol biol* 8 no.6:233-235 '60. (EEAI 9:12)

1. Department of Microbiology, School of Medicine, Warsaw and
L.Hirschfeld Institute of Immunology and Experimental Therapy
(Wroclaw) Polish Academy of Sciences.
(SHIGELLA PARADYSSENTEVIAE)
(POLYSACCHARIDES)

BRILL, J., prof., dr.; MIKULASZEK, E., prof., dr.

Results of the contest announced in 1958 by the Microbiological Committee at the II Department of the Polish Academy of Sciences and the Polish Microbiologists Society. Kosmos biol 10 no.6:651-652 '61.

1. Przewodniczacy Polskiego Towarzystwa Mikrobiologow (for Brill)
2. Przewodniczacy Komitetu Mikrobiologicznego Polskiej Akademii Nauk (for Mikulaszek)

(Microorganisms)

MEISEL-MIKOLAJCZYK, F.; MIKULASZEK, E.

Studies on the antigenic structure of *Clostridium tetani*.
Bul Ac Pol biol 10 no.2:57-60 '62.

1. Department of Medical Microbiology, School of Medicine,
Warsaw, and Institute of Biochemistry and Biophysics, Polish
Academy of Sciences, Warsaw. Presented by E.Mikulaszek.

X

MIKULASZEK, E.; POCONOWSKA-GOLDHAR, J.

Immunochemical studies on *Salmonella dahlem*. Pt. 3. Bul
Ac Pol biol 10 no. 12:525-530 '62.

1. Department of Medical Microbiology, School of Medicine,
Warsaw and Institute of Biochemistry and Biophysics,
Polish Academy of Sciences, Warsaw. Presented by E.
Mikulaszek.

*

POLAND

J. BOGUMIŁSKA-GOLDRAK and R. MIĘDZYSAK, Department of Medical Microbiology, College of Medicine (Instytut Mikrobiologii Lekarskiej AM/Polska Akademia Medyczna), and Institute of Biochemistry and Biophysics, Polish Academy of Sciences (Instytut Biochemii i Biofizyki, PAN/Polska Akademia Nauk), Warsaw.

"Immunological Study of *Salmonella* dublin. Part I. Methods of Obtaining Cell Fractions."

Warsaw, bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Biologiques, Vol 10, No 10, 1962; pp 405-410.

Abstract [English article]: Reports fractionation of *S. dublin*, which was selected because it contains neuramidic acid; 12 fractions in each of 2 procedures; one using high temperatures and strong reagents. Two detailed fractionation schemes. 3 tables, 8 Western references.

11/1

POLAND

E. MIKULASZK and J. POGGOWSKA-GOLDHAR, (Same affiliation as above.)

"Imunochemical Study of *Salmonella dublin*. Part 2. Chemical Analysis of Cell Fractions."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Biologiques, Vol 10, No 10, 1962; pp 411-415.

Abstract (English article): Determination of the percentage of protein, hexosamine, nitrogen and phosphorus, hexosamine in fractions: spectrophotometry and paper chromatography. Two tables, 2 paper chromatograms, spectral curve; 6 Polish and 5 Western references.

10/1

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¹¹ "Loring the official "representative of the people" in the U.S. Senate, he was instrumental in securing the first strong civil rights bill.

Warrick, Willard, 1870-1940, author. *My life as a teacher*. New York: Appleton-Century-Crofts, 1939.

MIKULASZEK, Edmund

Neuraminic acid and its derivatives among the microorganisms;
virus and bacterial neuraminidases. Postepy mikrobiol 2 no. 3:
255-281 '63.

1. Zaklad Mikrobiologii Lekarskiej, Akademia Medyczna,
Warszawa, i Instytut Biochemii i Biofizyki, Polska
Akademia Nauk, Warszawa.

*

MIKULASZEK, Edmund

Eighth Congress of the International Association of Microbiological Societies, Montreal, Canada, August 19-24, 1962. Nauka polska 11 no.1:126-130 Ja-F '63.

1. Członek rzeczywisty Polskiej Akademii Nauk, Warszawa.

MIKULASZEK, E.; POGONOWSKA-Goldhar, J.; RDULTOWSKA, H.; MULCZYK, M.

Immunochemical studies on *Shigella sonnei*, phase I and II,
and forms R I - III. Pts. 1-3. Bul Ac Pol biol 11 no.2:
71-83 '63.

1. Department of Medical Microbiology, School of Medicine,
Warsaw and Institute of Biochemistry and Biophysics, Polish
Academy of Sciences, Warsaw. Presented by E. Mikulaszek.

POLAND

MEISEL-MIKOLAJCZYK, F. and MIKULASZEK, E., Department of Medical Microbiology [Zaklad Mikrobiologii Lekarskiej] of the II Akademia Medyczna, Medical Academy] in Warsaw and the Institute of Biochemistry and Biophysics (Instytut Biochemii i Biofizyki) of PAN [Polska Akademia Nauk, Polish Academy of Sciences]

"Imunochemical Investigations on Clostridium tetani with Particular Attention to Polysaccharides."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Biologiques, Vol 11, No 5, 63, pp 209-213.

Abstract: [English article, authors' English conclusions] A polysaccharide-peptide fraction was obtained from C. tetani bacilli cultured on a casein hydrolysate medium, which exhibited strong serological activity in complement-fixation, ring and diffusion precipitation, and hemagglutination tests. The phenol method proved more suitable than those based on the action of acids and bases for the preparation of serologically active fractions, and the only one yielding a preparation containing rhamnose. Of the 11 references, 6 are Polish, 3 Western, and 2 in German.

1/1

MIKULASZEK, Edmund

Immune mechanisms of the organism. Pol. arch. med. wewnet. 33
no.9:1021-1033 '63.

MACHALSKI, Edmund, 51 WPF, Svetlogorsk, ORYX-144210013-5
MACHALSKA, Henryka, 51 WPF, Svetlogorsk, ORYX-144210013-5

Biochemical studies on *C. diphtheriae* tracheal mucus.
II. Fractionation of "diphtheria toxin" protein by
precipitation with Ca^{2+} . *Virology* 1969; 36: 354.

1. Department of Microbiology, Chair of Medicine, Institute
of Bacteriology, Institute of Immunology and Ex-
perimental Therapy, Polish Academy of Sciences, Katowice;
Department of Microbiology, School of Medicine, Warsaw.

MELIKHOV, I.V.; BABAYAN, S.G.; MIKULAY, V.

Coprecipitation of microimpurities during the isothermal stripping
of a saturated solution of K₂SO₄. Part 2: Coprecipitation of
lanthanum with K₂SO₄. Radiokhimia 4 no.1:7-13 '62. (MIRA 15:4)
(Lanthanum) (Potassium sulfate)

MIKUL'CHIK, A.

Our claims to the boards of Kazakhstan scientific and technical societies. NTO no.5:48-49 My '59. (MIRA 12:8)

1. Predsedatel' Kustanayskogo oblastnogo soveta nauchno-tehnicheskikh obshchestv, g. Kustanay.
(Kazakhstan--Research, Industrial)

MIKUL'CHIK, A.F., inzh.

Heat insulating material from local raw materials. Stroi.
mat. li no.1:35 Ja '65. (MIRA 18:6)

MIKUL'CHIK, A.F.

Reconditioning of worn-out machine parts by iron plating.
Trudy Sem.po kach.poverkh. no.5:405-409 '61. (MIRA 15:10)
(Iron plating)

KALININA, M.S., inzh.; MIKUL'CHIK, A.S., inzh.

Some special features of T-4376/142 turbogenerators. Elek.
sta. 33 no.5:87-88 My '62. (MIRA 15:7)
(Turbogenerators)

MIKUL'CHIK, A. V.

137-58-5-9152

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 57 (USSR)

AUTHOR: Mikul'chik, A. V.

TITLE: Vacuum Casting of Steel (Razlivka stali v vakuum)

PERIODICAL: Novoye v tyazh. mashinostr., Nr 2, 1957, pp 24-25

ABSTRACT: The method of vacuum casting of steel is employed at the Ural plant for heavy machinery. A mold prepared for a 120-t ingot is placed into a vacuum chamber that is 5 m in diameter and 8 m in height. An intermediate ladle with vacuum seals is mounted in an opening on the cover of the vacuum chamber. The stopper in the intermediate ladle is carefully lapped to fit perfectly into its aperture, and a thin foil of aluminum is placed under the stopper. The evacuation of the chamber requires 25-30 minutes and is accomplished by means of an arrangement consisting of two pumps of the RVN-30 type with a capacity of 30 m³/min and seven pumps of VN-6 type with a capacity of 9.3 m³/min. The residual pressure amounts to 1-3 mm Hg. At the end of casting operations the pressure is increased to 15 mm Hg. Preliminary results show that the content of H₂ and non-metallic inclusions in a vacuum-cast steel is reduced by 33-50

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137-58-5-9152

Vacuum Casting of Steel

percent and 50-60 percent, respectively; porosity due to shrinkage is less pronounced than in the case of steel cast by conventional methods.

V.B.

1. Steel--Casting
2. Vacuum furnaces--Applications

Card 2/2

MIKUL'CHIK, A.V

PHASE I BOOK EXPLOITATION 1043

Ural'skiy zavod tyazheologo mashinostroyeniya, Sverdlovsk

Proizvodstvo stali (Steel Production) Moscow, Mashgiz, 1958. 154 p.
(Series: Its Sbornik statey, vyp. 3) 4,000 copies printed.

Ed.: Zamotayev, S.P., Engineer; Tech. Ed.: Dugina, N.A.; Executive
Ed. (Ural-Siberian Division, Mashgiz): Maletina, A.V., Engineer.

PURPOSE: This book, published on the 25th anniversary of the Uralmashzavod
(Ural Heavy Machine-building Plant imeni S. Ordzhonikidze) is intended for
engineers, technicians and scientific workers concerned with the production of
steel.

COVERAGE: The basic stages in the development of steel making during the 25 years
of the existence of the Ural Heavy Machine-building Plant are described. The
following achievements in the field of steel making technology are described:
vacuum pouring, resulting in an improved quality of steel; production of ingots
in a variety of special shapes; steel making in open-hearth and electric furnace
Research work done by the central laboratory of the plant, including a study of
the causes of the formation of internal cracks in heat-resistant steel ingots

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Card 2/3

Steel Production

1043

Bron, V.A.; Bogordskiy, A.L.; and Semavina, K.P. - Wear Characteristics and
Experience Gained in Improving the Life of an Open-hearth Furnace Bottom 128
Popov, A.A.; Mirmel'shtein, V.A.; Fedorov, A.B.; and Shcherbakov, A.P. -
Macrostructure Characteristics of Cast Steel 139
Popov, A.A.; Perminov, P.P.; and Bogorodskiy, A.L. - Intracrystalline
Liquation of Carbon Along the Height and Cross Section of a 36-ton Chromium-
nickel-molybdenum Structural Steel Ingot 150

AVAILABLE: Library of Congress

Card 3/3

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1-8-59

MIKUL'CHIK, A. V.,

"Schistose Type of Fracture in Chrome-Nickel-molybdenum Steel," Forging and Heat Treatment, Moscow, Mashgiz, 1958. p 103, with Kats, Sh. I.,

This book is intended for engineers and technicians working in the field of forging and heat-treating of metals.

book prepared by members of NTOmashprom in connection with 25th anniv.
Ural Heavy-machine-building Plant im S. Ordzhonikidze.

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Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 76 (USSR)

AUTHORS: Zamotayev, S.P., Bogorodskiy, A.L., Mikul'chik, A.V.

TITLE: Improved Quality of Steel in Vacuum Casting

PERIODICAL: Sb. stately, Ural'skiy z-d tyazh. mashinostr. im. S. Ordzhonikidze, 1958, Nr 3, pp 17 - 35

ABSTRACT: Requirements for improved quality of steel for rotor shafts entailed the development of a vacuum installation for casting large-size ingots at Uralmashzavod. The vacuum installation consisted of a small chamber for a 33 t ingot and a large chamber for a 120 t ingot, including the chamber itself, the cover and the intermediate teeming ladle. The vacuum installation was sealed by rubber packings and Al-plates. Both the vacuum chambers were connected with the pumping station by a gas pipeline of 250 mm diameter, 2 filters and a cooler. The pumping station included 2 "RVN-30" and 7 "VN-60" pumps connected in parallel. During the operation of the vacuum chambers, spattering of the metal jet was observed. A metallurgical

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S1465

Improved Quality of Steel in Vacuum Casting

SOV/137-59-5-9968

casing was employed to restrict spattering. Since only one gas exhaust pipe existed, the metal jet in the vacuum chamber was displaced towards the mold axis, deteriorating the ingot surface. Besides conventional casting of large-size ingots in a vacuum, the metal in the ladle was also vacuum treated prior to casting small-size ingots. The metal was transferred from one ladle into another. This transfer was performed 12.5 minutes after tapping and lasted 3 minutes 35 seconds. At the beginning the pressure was 6 mm Hg and increased to 9.5 mm Hg at the end. In casting large-size ingots the vacuum was removed after filling up the feeding heads. The gas in the exhaust pipe contained (on the average in %): CO 72.6, N₂ 14.5, H₂ 10.7, CH₄ 2.2. Analyses of dust in the filter revealed a content of 70 - 90% Fe and Mn oxides; the remainder was SiO₂ and Al₂O₃. In each pump 1 g dust was deposited per 1 ton steel. As a result of vacuum treatment the surface was improved, the content of non-metallic impurities was reduced from 0.0091 to 0.0034%. The vacuum-cast ingot had a finer crystalline structure, lesser porosity of the axial zone, and the non-metallic impurities were distributed more regularly. [H] in forged pieces was lower by a factor of 2. The

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81482

Improved Quality of Steel in Vacuum Casting

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plasticity of tangential specimens increased from 46.1 to 57.3% with respect to compression; from 17.9 to 20.3% with respect to elongation; from 6.8 to 8.4 kgm/cm² with respect to toughness. In 1957, the plant saved 1.5 million rubles on account of the liquidation of rejects caused by metallurgical defects.

V.B.

Card 3/3

BOGORODSKIY, A.L.; MIKUL'CHIK, A.V.

Investigating large ingots. Sbor.st.UZTM no.3:76-100 ' 58.
(MIRA 11:12)
(Steel ingots--Testing)

SOV/137 50 2 2699

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2 p 62 (USSR)

AUTHORS: Mikul'chik, A. V., Golubina, O. P.

TITLE: Nonmetallic Impurities in Acid Chrome-nickel-molybdenum Steel (Nemetallichеские impurity v kisloy khromonikelelibdenovoy s'al'i)

PERIODICAL: Sb. statey. Ural'skiy z-d tyazh. mashinostr. im. S. Ordzhonikidze
1958, Nr 3, pp 116-127

ABSTRACT: The authors determined the quality of 34KhN3M steel [contaminated with non-metallic impurities (NI) and mechanical properties] in relation to different factors of the technique used in its smelting and casting. The composition of NI was determined throughout the course of smelting and casting and also in the finished metal. The steel was smelted by a silica-reduction semi-duplex process in an acid open-hearth furnace into which the molten metal was delivered from a basic open-hearth furnace. Smelting operations were carried out with and without addition of Fe-Mn through the boil period and the steel was deoxidized either with Fe-Mn alone or with Fe-Mn and Fe-Si (10%). It was established that the mechanical properties of the steel determined in testing of forged specimens of all the batches investigated (after

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SOV/137-59-2-2699

Non-metallic Impurities in Chrome-nickel-molybdenum Steel

quench-hardening and tempering) for tensile strength and notch-impact properties satisfy the GOST standards. The deoxidation of steel with Fe-Mn or blast-furnace Fe-Si and the absence of additions of Fe-Mn in the course of a heat has no effect on the mechanical properties of a steel. NI through the course of the smelting resemble at first the NI of basic steel with a high content of free oxides of Al and Fe; later, they approach the NI which are characteristic for test samples taken from ingots of acid steel of the silica-reduction process having a high SiO_2 content. The NI content which is high when the steel is first melted decreases throughout the course of the boil and increases before it is tapped from the furnace through the addition of alloying additives, and then again decreases in the ladle and during the casting into molds. The finished metal, regardless of the deoxidation and addition of Fe-Mn in the course of a heat, contains on the average (from 5 batches) 0.0134% NI with a high silicate content. The absence of Fe-Mn additions through the course of a heat and the deoxidation with Fe-Si has no effect on the composition and structure of NI.

V. M.

Card 2/2

SOV/137-59-3-640^c

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 210 (USSR)

AUTHORS: Mikul'chik, A. V., Kats, Sh. I.

TITLE: Cleavage Fracture in a Cr-Ni-Mo Steel (Shifernyy izlom v khromonikelemolibdenovoy stali)

PERIODICAL: Sb. statey. Ural'skiy z-d tyazh. mashinostr. im. S. Ordzhonikidze, 1958, Nr 5, pp 103-110

ABSTRACT: In order to evaluate the effect of technological factors of smelting and casting on the susceptibility of Cr-Ni-Mo steel 34KhNZM to cleavage fracture (CF), six forgings made of this steel (five of which exhibited CF) were investigated. The investigations dealt with the following factors: Macro and microstructure, the nature of the fracture, incidence of nonmetallic inclusions, and the mechanical properties of the forgings. It was established that CF is observed only in the upper and central portions of the forgings and that it is independent of the concentration of nonmetallic inclusions and gases in the steel. CF is caused by a coarse dendritic structure which had formed as a result of excessively high casting temperatures and which had not been refined in the course of forging. Bibliography: 7 references. T. F.

Card 1/1

PAGE I DOCUMENTATION		SD/1334
Introduction to World Literature Professor, A.I.B.		
Crystallization in Alloys (Crystallization of Metals)		
Transactions of the Fourth Conference on the Theory of Casting Processes		
Berlin, 1st-ve 1958, 1960, 325 p., 320 copies printed.		
Material Agency Akademie und Gesell. Institut metallovedeniya. Kondensator po		
technologicheskoi makroskopii.		
Eng. M. I. B. Golikov, Doctor of Technical Sciences, Professor Ed. or		
Publishing House V. S. Naukova Dumka, Ukr. S. G. Tishchenko.		
Editorial: This book is intended for metallurgists and scientific workers. It		
may also be useful to technical personnel at foundries.		
CONTENTS: The book contains the transactions of the Fourth Conference (1958) on		
the theory of Casting Processes. [The previous 3 conferences dealt with		
the crystallization of metals (1955), solidification of melts (1957), and		
solidification processes in castings (1957).] General problems in the crystalliza-		
tion of metals, including the crystallization of constructional steels,		
alloys with special properties, cast iron, and of nonferrous alloys, are		
discussed. Description is given to D. E. Charney and R. T. Ostaf'ev and the re-		
spondents, B. B. Galinov and A. G. Spashevskii, for their contributions to the		
understanding of the basic problems involved in the theory of crystallization		
of ferrous and nonferrous metals and alloys. Academician A. V. Semenov is		
also mentioned in connection with his work on the planning of research on		
general questions. References accompany several of the articles.		
Makarov, G. P., A. A. Davydov, and B. B. Orlitsky. Influence of Cart-		
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of Lowering the Supercooling of Large Ingots of Nickel-Steel. 100		
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Borodov, V. I., A. V. Matyushkin, and V. V. Mil'man. Investigation		
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The Mechanical Properties of Steel at Temperatures Close to the		
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Crystallization on the Mechanical Properties of Low-Alloy Cast Steel. 150		

MIKULICKA

AUTHOR: Gulyayev, B.A. **SOV/24-58-4-37/39**
TITLE: Conference on Crystallisation of Metals (Sovremennye po
 Metallizatsii metallov) **O**
PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
 Nauk, 1958, No. 4, pp. 153 - 155 (USSR)

ABSTRACT: This Conference was held at the Institute of Non-ferrous
 Metallurgy (Institut neftyanoy i metallicheskoy promstsvnosti po
 razvedke i eksploatacii nafto-gazovykh ob'ektov) of the Academy of
 Sciences of the Ukrainian SSR on June 28-31, 1958. About 200 people participated
 in the Conference. The papers presented included specialities in the fields of
 metallurgy, mineralogy, crystallography, physics, mathematics,
 mechanics, hydromechanics, mathematics, physics, and other
 related subjects. In addition to Soviet scientists, foreign
 guests were invited from France, Poland, Spain, and Germany.
 Professor V. V. Vilkov, located professor D. Grink (East Germany)
 and Dr. C. C. Czerny (Czechoslovakia) also attended the Conference.
 The Conference was the fourth conference relating
 to crystallisation processes of metals. The theory of crystallisation
 processes, problems of the theory of boundary processes.

Card #10
 Carded : A.R. Slobody - Crystallisation of Continuous
 Cast Ingots and Influence on it of the Properties of
 Liquid Steel; L.I. Korovinsky and O.D. Zvezdin -
 Influence of Movement of the Metal in the Liquid Core
 on the Crystallisation of Steel Ingots and Castings;
 N.M. Goryainov and B.B. Gal'yayev -
 Crystallisation and Mechanical Properties of Steels at
 Elevated Temperatures; V.V. Knyazev - Influence of
 Deformation of the Crust and the
 Solidification of Ingot; G.P. Ivanov -
 General Stress and Deformation in the Crust of
 Crystallising Ingots; V.G. Grzin and P.I. Yanushkevitch
 with Problems of Formation of the Primary Structure
 of Structural Steels and the Influence on it of the
 Temperature of Pouring;
 Features of crystallisation of castings made of
 alloys with special properties and of austenitic steels
 were dealt with in the following papers:
 I.L. Gor'gorian - Influence of
 Inoculation on the Structure
 and on the Physical-mechanical Properties of High-alloy
 Steels; P.P. Tsvetkov, V.V. Aksyonov, K.Y. Lashk and
 V.N. Botina - Occurrence of Non-uniformities in High-
 Alloys.

Card/10 **Freezing** and **Experimental Investigation of the Process of Crystallisation of Cast Blanks Made of Refractory Alloys.** A.N. Tukarov considered the process of crystallisation of steels.

MIKULCIC, V.

Ketosis. Lijecn. vjesn. 85 no.1:69-71 '63.

(ACIDOSIS)

S

MEKULCIC, Visnja; SDAKOVIC, I.

Hydrolysis of thyroglobulin and excretion of iodized amino acids from the thyroid tissue. Arh. hig. rada i5 no.2:65-172 '64.

1. Interna klinika Medicinskog fakulteta Sveučilište u Zagrebu.

MIKULCOVA, L.

Spa therapy of asthma in children. Cesk.pediat. 15 no.9:772-773
3 '60.

1. Detska lecебна в Luhacovicich, prednostka MUDr. L.Mikulcova.
(ASTHMA in infancy & childhood)
(CLIMATE ther.)

KUCHERSKY, J.; HREBN, J.; MIKUL, V.

Electrometric titration of sulfonamides. Cesk. farm. 3 no.8:28*-
285 Oct 54.

1. Z Kontrolniho ustavu farmaceutickeho v Praze
(SULFONAMIDES, determination
titration, electrometric by sodium nitrite)
(NITRITES
sodium nitrite in electrometric titration of sulfonamides)

MIKULEC, Jan, mgr inz.; STAROSOLSKI, Wlodzimierz, dr inz.

Stiffnes testing of the ceramic block and the foundation
of the knuckle of a coke oven battery. Problemy proj hut
maszyn ll no. 6: 180-189 Je '63.

1. Kierownik Pracowni Budowlanej, Koksoprojekt, Zabrze
(for Mikulec). 2. Politechnika Slaska, Gliwice
(for Starosolski).

MIKULEC, V.

Pistol-type soldering iron. p. 281

SDELOVANI TECHNIKA (Ministrestvo strojirenstvi), Vol. 4, No. 9, Sept. 1957

Praha, Czechoslovakia

SOURCE: East European List (EEU) Library of
Congress, Vol. 6, No. 1, January 1957

ACCESSION NR: AP5016913

CZ/0014/64/000/010/0377/0379

AUTHOR: Mikulec, Milan (Engineer)

TITLE: Polarized relay as a contact modulator

SOURCE: Sdelovaci technika, no. 10, 1964, 377-379
/2-

TOPIC TADS: electric relay

ABSTRACT: Technical data are given on polarized relays made by the TESLA Enterprise and used as a substitute for contact modulators. Described is an adjustment of the contact outlets according to the Czechoslovak Patent No 104 699 to eliminate

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001134210013-5

unweighted voltage. Original auth: 22 figures.

ASSOCIATION: NONE

SUBMITTED: OO

ENCL: OO

SUB CODE: ES

NO REF Sovi: 000

OTHER: 000

JPM

Card 1/1

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001134210013-5"

Mikulec, M.

Mikulec, M. Correction circuits for measuring instruments with
rectifiers. p. 338.
Ft. Comparing transistors and vacuum tubes. p. 340.

Vol. 4, no. 11, Nov. 1956
SDELOVACI TECHNIKA
TECHNOLOGY
Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

MIKULEC, S.:

MIKULEC, S.: Krivanek, V. The Jajce I Hydelectric Plant. p. 268.

Vcl. 8, No. 5, Sept./Oct. 1955

ELEKTROPRIVREDA

TECHNOLOGY

Becgrad, Yugoslavia

Sc: East European Accessions, Vol. 5, No. 5, May 1956

MIKULEC, S.

Possibilities of developing the water power of the Trebisnjica Riber.
p. 140 ELEKTROPRIVREDA. (Savet za energetiku i ekstraktivnu industriju)
Beograd. Vol. 9, no. 3, Mar. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

MIKULEC, Stjepan, ing.

Connecting joints of reinforced-concrete mains of large size.
Vodoprivreda Jug 2 no.4/5:159-164 '59. (EEAI 9:10)

1. "Elektroprojekt," Sarajevo.
(Water pipes)
(Reinforced concrete)

MIKULEC, Stjepan, dipl. inz. (Sarajevo, Obala vojvode Stepe br. 12/I);
PAVLOVIC, Melanija, dipl. inz. (Sarajevo)

Water-power resources in Bosnia and Herzegovina, and characteristics
of the projects of new hydroelectric power plants. Elektr vest 17 no.
1/2:3-9 Ja-F '64.

MIKULEC, Stjepan, inz.; MITRINOVIC, Momicilo, inz.

Cofferdam for the Gorica Dam on the Trebisnjica River under construction. Gradevinar 14 no.10:359-363 0 '62.

1. Energoprojekt, Sarajevo.

MIKULEC, Stjepan, inz. (Sarajevo)

Construction of hydroelectric-power plants in the Soviet Union.
Pt.1. Gradevinar 14 no.11:385-394 N '62.

MIKULEC, Stjepan, inz. (Sarajevo)

Construction of hydroelectric-power plants in the Soviet Union.
Gradecvinar 14 no.12:443-449 D '62.

MIKULEC, Stjepan, inz.; VLAHINIC, Miho, inz.; ILIC, Kornelija, inz.

The trebisnjica hydroelectric and agricultural project.
Teknika Jug 18 no.7:Supplement: Elektrotehnika 12 no.7:
1308-1318 Jl'63.

1. Direktor Hidrobiora Preduzeca "Energoinvest", Sarajevo
(for Mikulec).

MIKULEC, Stjepan, inz.; RADULASKI, Aleksandar, inz.; RADOVIC, Savo

From a study trip in Italy. Elektroprivreda 16 no.3/4:170-175
Mr-Ap '63.

CZECHOSLOVAKIA

BARTON, V.; BREZINOVA, V.; BURIAN, M.; HELECKY, N.; MIKULECKY, B.;
STEPANEK, J.; Research Institute of Mathematical Machines, Prague.
[Orig. version not given.]

"The Problem of Assimilating Complicated Stimuli During Sleep."
Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 208-209

Abstract: EEG recordings of 20 subjects who received a series of 25 or 50 single words in a foreign language (mostly Japanese) with a Czech translation during sleep are discussed. The probability of influencing the learning process through imprinting of individual words during sleep seems very low. There were changes in the EEG recordings caused by whether the subject knew or did not know the word which he heard during the sleep. No references. Submitted at the 4th Conf. of Exper. and Clin. Study of Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65. Article is in English.

1/1

- 57 -

BURIAN, V.; VYSOKA-BURIANOVA, B.; SRUTOVA, L.; STEJSKALOVA, M.; MIKULECKY, J.;
KRIKAVA, K., KOSTAL, J.

Cultivation of *B. pertussis* and *B. parapertussis* using a new
method of preservation of material. Cesk. epidem. 13 no.1:
52-57 Ja'64.

1. Ustav ser a ockovacich latek, Praha; Ustav epidemiologie
a mikrobiologie, Praha; KHEs KNV Stredoceskeho kraje, Praha;
HES NV hl. mesta, Praha; OUNZ Litomysl; OHES Prahrom;
OHES Hradec Kralove.

*

MIKULECKY, M.

Kinetics of bromsulphalein in the Dubin-Johnson syndrome.
Bratisl. lek. listy 2 no.12:709-720 '63.

1. Katedra internej mediciny I.Lek.fak. Univ. Komenskeho v
Bratislave; veduci: prof. MUDr. M.Ondrejicka.

*

MIKULECKY, M.

Contribution to the differential diagnosis of hyperbilirubinemia of unclear etiology. Bratisl. lek listy 44 no.6:345-352 '64.

1. Katedra internej mediciny I. Lek. fak. Univ. Komenskeho v Bratislave (veduci prof. MUDr. M. Ondrejicka).

MIKULECKY, M.

A new method for analyzing bromsulphthalein kinetics in the plasma of human subjects. Bratisl. lek. listy 44 no.10:
577-590 '64

1. Katedra internej mediciny I.Lek.fak. Univerizity Komenskeho
v Bratislavе (veduci: prof. MUDr. M.Ondrejicka).

MIKULECKY, M.; JANOTKA, M.

Investigation of the hepatobiliary function using rose bengal
under simple laboratory conditions. Bratisl. lek. listy 45 no.
4:233-242 31 Ag '65.

1. Katedra internej mediciny I Lekarske fakulty Univerzity
Komenskeho v Bratislave (veduci prof. MUDr. M. Ondrejicka).

CZECHOSLOVAKIA

MOLCAN, J.; JENCA, G.; MIKULECKY, M.; Psychiatric and 1st Internal Clinic, Medical Faculty, Comenius University (Psychiatricka a I. Interni Klinika Lek. Fak. UK), Bratislava.

"Clinical and Hepatotoxic Effect of Prothiadene."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 357 - 358

Abstract: The study was made on 20 hospitalized patients of an average age of 40 years. All were treated for a depressive syndrome. Prothiadene was administered for 3 weeks at an overall dose of 5235 mg. For the first 7 days a daily dose of 75 mg was administered, after that 300 mg. The drug showed its best effect in partial improvement of depressions. No generally toxic effect was detected; as side effects a tiredness was observed in a few of the patients. No adverse effect on the liver was observed. Prothiadene showed a fast antidepressive effect mainly in reactive and symptomatic depressions. 1 Figure, 1 Western, 6 Czech references. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66.

1/1

MIKULECKY, Z.

Method in determination of skin resistance to alkali and its ability to neutralize alkalies and acids. Pracovni lek. 2 no.3:
141-143 15 July 50. (CIML20:4)

l. Of the Dermatological Department of the State Regional Hospital in Kolin, (Head--Zdenek Mikulecky, M.D.).

MIKULECKY, Z.

Reiter's disease. Voj.zdrav.listy 19 no.3-4:89-90 '50. (CML 19:3)

1. Of the Department of Venereal and Skin Diseases of the State
District Hospital in Prague XIII (Head -- Jan Konopik, M.D.).

MIKULECKY Z.

Stanoveni-globulinu drevního sera kvantitativním calcium-formolgelovou reakcí podle Verhagena. [Determination of γ -globulin in serum by the method of Verhagen's technic of calcium-formolgel reaction]
Cesk. derm. 25:4 1 Apr 50 p. 133-6

1. Of the Department for Venereal and Skin Diseases of the State District Hospital in Prague XII (Head--Prof. Jan Konopik, M. D.).

CLWL 19, 5, Nov. 50

MIKULECKY, Z.

Effect of industrial solvents tetrahydronaphthalene (tetraline),
decahydronaphthalene (decaline) and solvent naphtha I on the skin.
Cesk. derm. 27 no.5-7:241-249 Aug 1952. (CLML 23:2)

1. Of the Dermatological Center and of the Department (Head--Zdanek
Mikulecky, M.D.) of OUMZ Hospital in Kolin.

MIKULECKY, Z., Prim MUDr

Discussion on V.Kubacek's article, Indications for plastic surgery
in adults. Prakt. lek., Praha 34 no.11:261-262 5 June 54.

1. Koz. odd. OUHZ v Kolinc.
(SURGERY, PLASTIC,
indic.)

MIKULECKY, Z.; KOTRCOVA, V.

[REDACTED] norepinephrine skin test. Cesk.derm. 29 no.1:40-45 Feb 55.

1. Z kosniho odd. OUNZ v Kolincem, predn. prim. MUDr Z.Mikulecky.
(SYMPATHOMIMETICS
synephrine skin test in exam. of autonomic nervous system)
(AUTONOMIC NERVOUS SYSTEM, physiology
exam., synephrine skin test)

MIKULECKY, Z.; JENIKOVA, J.

Cytological picture of the floor of skin diseases, in particular
of the leg ulcers. Cesk.derm. 29 no.2:124-129 Apr 55.

1. Z kozniho oddeleni GUNZ v Koline (prednosta prim MUDr Z.
Mikulecky).

(LNG, ulcers,
cytol.)

(CYTOLOGY,
of skin floor in leg ulcers.

MIKULECKY, Z., MUDr; JENIKOVA-NOVAKOVA, J., MUDr; SIMROCKOVA, V., MUDr;
OBERTHOR, J., MUDr

Occupational dermatitis in workers of fur industry. Prakt. lek.,
Praha 35 no.2:31-33 20 Jan 55

1. ZOUNZ v Kolinc, odd. kozni, prednosta primar MUDr Z.Mikulecky,
Z zavodniho zdrav. strediska v n.p. Kara, Stary Kolin
(DERMATITIS, CONTACT
occup. in fur indust.)
(OCCUPATIONAL DISEASES
dermatitis in fur indust.)

MIKULECKY, Z.,; OCENASEK, M.,; za technicke spoaluprace J. Jelinkove

Problem of occupational contact dermatitis caused by chromium and
determination technic for chromium salts in various materials.
Pracovni lek. 8 no. 1: 29-33 Jan 56.

1. Oddeleni pro choroby kozni, prednosta MUDr. Zd. Mikulecky a
Ustredni biochemicke laboratore, prednosta RNDr PhMr Mir.
Ocenasek, OUHZ, Kolin
(DERMATITIS, CONTACT, etiol. & pathogen.
chromium, chromium salt determ. technic (Czech))
(CHROMIUM, inj. eff.
dermatitis, contact, chromium salt determ. technic (Czech))

MIKULECKY, Z.; ONDRACKOVA, J.; JECH, J.

Characteristics of a small tar plant with special reference to
late forms of skin lesions. Pracovni lek. 11 no.6:304-307 Aug 59.

1. Oddeleni pro choroby kozni OUNZ v Koline, primar MUDr. Z Mikulecky
~~OHESS~~ v Koline, reditel MUDr. V. Madle.
(TARS, eff. inj.) (SKIN DISEASES, etiol.)

MIKULECKY, Zdenek

CZECHOSLOVAKIA

MD

Director of the Department for Skin Diseases of the
OUNZ, Kolin.

Prague, Prakticky Lekar, No. 19, 1962, pp 837-839

"Can Synthetic Textiles Cause Skin Injury?"

MIKULECKY, Z.

Contribution to the problem of combined chromium-nickel-cobalt allergy. Cesk. derm. 38 no.4:284-288 Ag '63.

1. Kozni oddeleni OUNZ v Koline, vedouci MUDr. Z. Mikulecky.
(CHROMIUM) (NICKEL) (COBALT)
(DERMATITIS, CONTACT)
(OCCUPATIONAL DERMATITIS)

MIKULECKY, Z.

Recent findings concerning the mechanisms of skin sensitization against chromium. Česk. derm. 40 no.5:318-321 O '65.

1. Kozni oddeleni Obvodniho ustavu narodniho zdravi v Koline
(vedouci MUDr. Z. Mikulecky).

FIALOVA, V.; JERZEK, V., MIKULENKA, V.

The relationship of pulse velocity to blood lipids in atherosclerosis.
Cor Vasa 4 no.1:20-25 '62.

1. The IIInd Internal Clinic, Charles University, Prague.
(LIPIDS blood) (ARTERIOSCLEROSIS physiol)
(PULSE physiol)

MIKULENKO, A. S. (Cent. Admin. of the Sci.-Tech. Society)

"The Work of the Society"

report presented at the Fifth Full Assembly of the Central Administration of the
Non-Ferrous Metallurgical Sci.-Tech. Society, Moscow 21-22 Feb 1958.

MIKULENKO, K.I.

Reservoir properties of Paleogene and Upper Cretaceous carbonate rocks in Daghestan. Izv.vys.ucheb. zav.;neft' i gaz 5 no.5: 19-22 '62. (MIRA 16:5)

1. Groznenskiy neftyanoy institut.
(Daghestan--Rocks, Carbonate)

GALIN, V.L.; MIKULENKO, K.I.

Outlook for finding oil and gas in foraminiferal and Khadum
sediments of Daghestan. Izv. vys. ucheb. zav.; neft' i gaz
5 no.3:13-17 '62. (MIRA 16:8)

1. Groznenskiy neftyanoy institut.

MIKULENKO, K.I.

Stratigraphic correlation of the variegated and gray-colored series of the lower Paleogene in Daghestan. Dokl. AN SSSR 142 no.1:171-172 Ja '62. (MIRA 14:12)

1. Groznyenskiy neftyanoy institut Ministerstva vysshego i srednego spetsial'nogo obrazovaniya RSFSR. Predstavлено akademikom D.V. Nalivkym. (Daghestan--Geology, Stratigraphic)

MIKULENKO, K.I.

Mechanism of the formation of block and layer inclusions in
Daghestan Paleogene sediments. Dokl. AN SSSR 151 no.5:1168-1169
Ag '63. (MIRA 16:9)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii,
geofiziki i mineral'nogo syr'ya, Novosibirsk. Predstavлено
akademikom A.L.Yanshinyem.
(Daghestan--Geology, Stratigraphic)

MIKULENKO, K.I.; OSTRYY, G.B.

Jointing types and their effect on the reservoir rock properties of the sedimentary cover of the West Siberian Plain. Dokl. AN SSSR 165 no.3:646-648 N '65. (MIRA 18:11)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya, Novosibirsk, i Zapadno-Sibirskiy nauchno-issledovatel'skiy institut geologii nefti, Tyumen'. Submitted June 18, 1965.

ALIYEV, A.G.; GALIN, V.L.; MIKULENKO, K.I.

Prospects for finding gas and oil in the Samur regions of
Daghestan and Azerbaijan. Geol. nefti i gaza 8 no. 1:29-33
Ja '64.
(MIRA 17:5)

1. Dagestanskiy gosudarstvennyy universitet i Groznyenskiy
ordena Trudovogo Krasnogo Znameni neftyanoy institut.

Mikulesku, R.

137-1958-1-587

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 92 (USSR)

AUTHORS: Mikulesku, R., Berku, S., Dragan, I.

TITLE: Determining the Free Spread of Copper and Brass When Rolling in Plain Rolls (Opredeleniye svobodnogo ushireniya medi i latuni pri prokatke v gladkikh valkakh)

PERIODICAL: Zh. metallurgiya, 1956, Vol 1, pp 101-105

ABSTRACT: The hot rolling of Cu and brass on plain rolls of identical diameter, and cold rolling on plain rolls of different diameters, is investigated. Comparison of the spread values confirms that the factors affecting the spread of Cu and brass are H, Δh , B, and R. Employment of the Riedel nomogram to determine spread in the hot rolling of steel enables the Authors to propose a nomogram for determining the spread of Cu and brass and a general formula for determination of the spread:

$$\Delta B = KB \sqrt{R \Delta H} / \sqrt{B/R \Delta H} BH + h \sqrt{R \Delta H},$$
 where K is a correction factor determined from the diagram in accordance with the relative reduction.

Yu.F.

Card 1/1

1. Brass--Deformation--Mathematical analysis 2. Copper--Deformation--Mathematical analysis

AUTHOR: Mikulets, S.; Docent, Director SOV-98-58-10-14/16

TITLE: Construction of Hydro-electrical Power Plants in Yugoslavia
(Stroitel'stvo gidroelektricheskikh stantsiy v Jugoslavii)

PERIODICAL: Gidrotehnicheskoye stroitel'stvo, 1958, Nr 10, pp 49-59
(USSR)

ABSTRACT: This is a report on the construction of hydroelectric power plants in Yugoslavia. The author describes the utilization of hydraulic power in Yugoslavia before and after the liberation. A 64-megawatt electric power plant on the river Shchet is quoted as the largest pre-war plant, and the 4-megawatt Matka Hydro-electric Power Plant as the second largest. Yugoslavia's hydroelectric power potential has been estimated at 66 billion kwh. The construction of hydro-electric power plants began in 1945, reaching 6.2 billion kwh in 1957. Thirty seven various plants have been built. A number of projects are being carried out. After 12 years of work, satisfactory results were proved. The Yablanitsa Electric Power Plant on the Neretva River is quoted as a large project. Its construction began in 1946. The first step of the Yablanitsa GES was started in 1955 and by March 1958, full capacity was reached. The underground plan of this plant is given in diagram 4. The 20 x 114 m, 34 m high transformers

Card 1/4

SOV-98-58-10-14/16

Construction of Hydro-electrical Power Plants in Yugoslavia

are built underground. Other Neretva River projects of 2.5 billion kwh are being elaborated. The project of the Gran-Charevo, first Step Power Plant on the Tretishnitsa River, which will be connected to the Dubrovnik Second Step GES are presently being elaborated. A hydro-electric power plant on the Rama River will be utilized by 325 m head power plant. The Yaytse I and Yaytse II Electric Power Plants with a combined capacity of 400,000,000 kwh, have been finished. Water from the Yaytse I is fed to Yaytse II reservoir. The 22 mega-watt Dravograd Electric Power Plant was built by the Germans during the occupation period. The Mariborskiy Otok, Vuzenitsa und Vukhred GESes have been completed. The Ozhbolt GES is still under construction. The Moste and Medvode Electric Power Plants on the Sava River have also been completed. The dam of the Moste GES is Yugoslavia's second highest dam. The Vinodol, Yugoslavia's highest pressure dam (660 m), has been completed. A two-lake feeding system is connected by means of tunnels. The surplus water of the lower lake is pumped into the upper lake. Three horizontal double turbine units were mounted in the Nikola Tesla Electric Power Plant. Its first section was completed in 1952. A pumping aggregate will be started this year. The Goyak GES in Gorskiy Kotar is near

Card 2/4

SOV-98-58-1C-14/16

Construction of Hydro-electrical Power Plants in Yugoslavia

ing completion. The 44 megawatt Perugia Electric Power Plant will be put in operation in 1959. The construction of the Split GES, 272 m head and 1,480,000 kwh, was started in 1957. The Kokin Brod-Bistritsa electric power plant system will be completed in 1960. The Buk Biyala GES is the largest Drina River project. The 104 megawatt Vlasina GES Cascade is composed of 4 electric power plants. The capacity of the Vrla I reservoir is 107,000,000 cu m. The 380,000,000 kwh Mavrovo GES in Macedonia began limited operation in 1957. The project of the Globochitse plant on the Tsrni Drim River is being elaborated. The Peruchitsa Electric Power Plant of the Zeta River system is also being constructed. A 550 m head will be utilized for the first stage of this 72-megawatt GES. The Peruchitsa Ges should be completed in 1959. According to agreements between Romania and Yugoslavia, the "Zheleznyye Vorota" GES will be elaborated on the Danube. Electric power production will reach 3.5 - 5.5 billion kwh in 1960 and 10 billion

Card 3/4

SOV-98-58-10-14/1

Construction of Hydro-electrical Power Plants in Yugoslavia

kwh by 1965.

There are 8 photos, 6 diagrams, 2 maps, 1 graph, 11 non-Soviet references and 1 table.

ASSOCIATION: Gidroenergeticheskoye byuro Elektroprojekta FNRYu (Hydro-Power Engineering Office of the Elektroprojekt Trust of the Yugoslavian People's Republic)

1. Power plants--Yugoslavia
2. Power plants--Construction
3. Electric power production--Yugoslavia

Card 4/4

SCHLESINGER, Danuta; MIKULEVICZ, Wojciech

Haptoglobin of the Johnson type in a Polish family. Arch.
immun. ther. exp. 12 no.52561-564 '64

1. Department of Blood Groups, Institute of Immunology and
Experimental Therapy, Polish Academy of Sciences, Wroclaw
and Department of Forensic Medicine, School of Medicine,
Wroclaw.

MIKULIC, B.

"Spoiling of canned fish", p. 12 (Mersko Ribarstvo, Vol. 5, no. 1/2, 1953, Zagreb)

SO: Monthly List of East European Accessions, Vol. 2, No. 9, Library of Congress, September 1953, U

STUJHOFER, Mladen, dr.; SKRABALO, Zdenko, dr.; MRKLIC, Bojan, dr.;
MIKULICIC, Mihajlo, dr.

Current status of the surgical therapy of hyperthyroidism.
Lijecn. vjesn. 87 no.7:715-723 Jl '65.

1. Iz Kururskog odjela i Interne klinike Opce bolnice "Dra
O. Novosela" u Zagrebu.

[REDACTED]

MIKULIC, R.

"The Fishing Industry in Denmark." p. 103. (Morsko Livanstvo, Vol. 5, no. 7/8, 1933, Zagreb).

SO: Monthly List of East European Accessions. Vol. 3, no. 3. Library of Congress. March 1933
Uncl.

[REDACTED]

MIKULIC, Vladimir, major dr.

Transportation means for the evacuation of wounded during the war. Voj. san. pregl., Beogr. 11 no.9-10:416-422 Sept-Oct 54.

(MEDICINE, MILITARY AND NAVAL

evacuation of wounded, transportation means)

(WOUNDED AND SICK

transportation means)

MIKULIC, Vladimir, dr., sanitetski potpukovnik

Eye injuries by atomic flash and means for their prevention.
Voj. san. pregl., Beogr. 17 no.1:58-65 Ja 1960.
(EYE wds. & inj.)
(ATOMIC WARFARE)

Mikulin, A.S.

Determination of the interfacial energy of antipyrine at
the crystal-melt boundary. Krist. zhid. no.2:7-17 '63.

Determination of the surface energy of mannitol and cocaine
in the solid state. Krist. zhid. no.2:32-34 '63.

Determination of the surface energy of benzophenone. Izv. Akad. Nauk SSSR
(1965) 7:1-7

TSYRKIN, I.Z., inzh.; MIKULICH, G.V., inzh.

Remote controlled start and servicing of the steam ejectors of
block-type systems. Energetik 10 no.12:13-14 D '62.

(MIRA 16:1)

(Boilers)

(Remote control)

VIKTOROV, A.P.; GIMMEL'REYKH, V.A.; L'VOV, P.L.; MIKULICH, I.N.;
EL'DAROV, M.M.; MASLOV, Ye.P., kand.geograf.nauk, starshiy
nauchnyy sotrudnik, otv.red.; GODOVANETS, Z.A., red.;
VERBITSKAYA, M., tekhn.red.

[Dagestan A.S.S.R.; survey of physical and economical
geography] Dagestanskia ASSR; fiziko-geograficheskii i
ekonomiko-geograficheskii obzor. Makhachkala, Dagestanskoe
uchebno-pedagog.izd-vo, 1958. 252 p. (MIRA 12:7)

1. Institut geografii Akademii nauk SSSR (for Maslov).
(Dagestan--Geography)

MIKULICH, L. V.

Mikulich, L. V. - "Some data on feeding the 'mintay'", Izvestiya Tiknookean. nauch.-issled. in-ta ryb. khoz-va okeanografii, Vol. XXIX, 1949, p, 51-66, - Bibliog: 17 items.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).